

# WIRELESS COMMUNICATION SYSTEM UTILIZING DIELECTRIC MATERIAL TO ADJUST THE WORKING FREQUENCY OF AN ANTENNA

## Abstract

A wireless communication system includes a housing and an antenna installed inside the housing. The antenna includes a radiator for transmitting and receiving radio signals, and a ground terminal connected to the radiator for grounding. The wireless communication system further includes a dielectric material installed inside the housing and not installed between the radiator and the ground terminal.